

STEREO MOC Status Report
Time Period: 2012:317 - 2012:323

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:
 - On day 319, during the DSS-55 support, turbo decoder lock was lost briefly at 0650z. This anomaly resulted in the loss of two frames of SSR data. See DR# N108532 for more information.
 - On day 320, during the DSS-26 support, the command bind was lost for one minute at 1347z. See DR# G113385 for more information.
 - On day 322, during the DSS-65 support, turbo decoder lock was lost intermittently beginning at 0615z through 0952z due to heavy rain. This anomaly resulted in the loss of several minutes (18393 frames) of SSR data. See DR# M107000 for more information.
 - On day 323, during the DSS-55 support, turbo decoder lock was lost briefly at 0728z. This anomaly resulted in the loss of one frame of SSR data. See DR# N108535 for more information.

2. The following spacecraft/instrument events occurred during this week:
 - On day 322, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 0051z for 6.5 hours.
IMPACT (Part 15) reached 95% full at 0451z for 2.5 hours.
The primary cause was the accumulated shortage of track time throughout the week.

 - The average daily SSR playback volume for Ahead was 4.4 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 317, during the DSS-62 (Cebreros) support, turbo decoder lock was lost intermittently beginning at 1355z through 1358z. This anomaly resulted in the loss of 40 frames SSR data. This anomaly is being investigated with ESA.
- On day 320, during the DSS-63 support, initial telemetry lock was established late at 1609z due to a Receiver and Ranging Processor (RRP) problem. A second RRP was placed online to correct the problem. This anomaly resulted in the loss of several minutes of SSR data. See DR# M106997 for more information
- On day 323, during the DSS-63 support, turbo decoder lock was lost briefly at 1351z. This anomaly resulted in the loss of 29 frames of SSR data. DR# requested for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 318, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 1828z for 0.03 hours. The primary cause was the accumulated shortage of track time throughout the week.
- On day 319, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 1617z for 3 hours. The primary cause was the accumulated shortage of track time throughout the week.
- On day 320, the SSR science partitions filled as follows:
SWAVES (Part 13) reached 100% full at 0421z for 12.2 hours.
SWAVES (Part 13) reached 100% full at 2012z for 3.8 hours. The primary cause was the accumulated shortage of track time throughout the week.
- On day 321, the SSR science partitions filled as follows:
SWAVES (Part 13) remained 100% full at 0000z for 15.7 hours.
SWAVES (Part 13) reached 100% full at 1956z for 4.1 hours.
IMPACT (Part 15) reached 95% full at 0347z for 12.2 hours.
IMPACT (Part 15) reached 95% full at 1947z for 4.2 hours.

PLASTIC(Part 17) reached 95% full at 1415z for 1.5 hours.
PLASTIC(Part 17) reached 95% full at 2017z for 3.7 hours.
The primary cause was the accumulated shortage of track
time throughout the week.

- On day 322, the SSR science partitions filled as follows:

SWAVES(Part 13) remained 100% full at 0000z for 0.9 hours.
SWAVES(Part 13) reached 100% full at 0302z for 15.5 hours.
IMPACT(Part 15) remained 95% full at 0000z for 0.8 hours.
IMPACT(Part 15) reached 95% full at 0256z for 15.5 hours.
PLASTIC(Part 17) remained 95% full at 0000z for 0.8 hours.
PLASTIC(Part 17) reached 95% full at 0312z for 15.3 hours.
The primary cause was the accumulated shortage of track
time throughout the week.

- On day 323, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1208z for 1.5 hours.
The primary cause was the accumulated shortage of track
time throughout the week.

- The average daily SSR playback volume for Behind was 3.0
Gbits during this week.